

TRIFLURALIN DATA SUBMITTED TO THE EPA

DECEMBER 5, 1962

Trifluralin For the Pre-Emergence Control of Weeds in Cotton. (Field Trials)

Coded: 152****/EC**48/YCOTTN/AM/****/152-290

Trifluralin For the Preemergence Control of Weeds in Soybeans. (Field Trials)

Coded: 152****/EC**48/YBOYBN/AM/****/247-345

MARCH 11, 1963

Trifluralin For the Preemergence Control of Weeds in Snapbeans and Lima Beans. (Field Trials)

Coded: 152****/EC**48/YBEANS/AM/****/1-200

Toxicological Studies on Trifluralin.

Coded: 152****/*****/TZSUMM/AM/****/1-2

Trifluralin L26352, Interim Report. (Toxicology)

Coded: 152****/*****/TZSUMM/AM/****/110-111

(Soil Residue Experiments).

Coded: 152****/EC**48/ESRESI/AM/****/14-22

MAY 10, 1963

Acid Hydrolysis Prior to Analysis for Possible Metabolites.

Coded: 152****/*****/AMETAB/AM/****/1-4

Metabolism Studies on Trifluralin.

Coded: 152****/*****/TMETAB/AM/****/1-8

Trifluralin Leaching Rate in Comparison to Diuron and Simazine.

Coded: 152****/*****/ESLEAC/AM/****/1-2

The Leaching of Trifluralin, Diphenamid, Dipropalin and Diphenanitrile from the Soil Surface.

Coded: 152****/*****/ESLEAC/AM/****/3-12

Leaching and Decomposition Studies with Pre-Emergent Herbicides

Coded: 152****/*****/ESLEAC/AM/****/13-29

MAY 10, 1963 (Continued)

Vapor Pressure of Trifluralin.

Coded: 152****/*****/CHEPHY/AM/****/23

Evaporation Rate of Trifluralin

Coded: 152****/*****/EAVOLA/AM/****/1-8.

Trifluralin Loss Due to Volatility-A

Coded: 152****/*****/EAVOLA/AM/****/9-10

Trifluralin Loss Due to Volatility-B.

Coded: 152****/*****/EAVOLA/AM/****/11-12

Trifluralin Loss Due to Volatility-C.

Coded: 152****/*****/EAVOLA/AM/****/13-14

Fish Toxicity.

Coded: 152****/EC**48/TWFISH/AM/****/1-3

Ultraviolet Radiation of Solutions of Trifluralin.

Coded: 152****/*****/EWRADI/AM/****/1-3

Trifluralin and Diphenamid Disappearance in Soil.

Coded: 152****/*****/ESDEGR/AM/****/22-26

The Stability of Trifluralin when Subjected to Steam Sterilization.

Coded: 152****/*****/ESDEGR/AM/****/27-28

Stability of Trifluralin in Sunlight.

Coded: 152****/*****/ESDEGR/AM/****/29-32

Cotton Seed Germination.

Coded: 152****/EC**48/YCOTTN/AM/****/334-336

Cover Crop Observation (Fall Seeded Rye).

Coded: 152****/EC**48/YRYE--/AM/****/1-3

Trifluralin L366352, Toxicology - Interim Report.

Coded: 152****/*****/TZSUMM/AM/****/112-115

MAY 10, 1963 (Continued)

Gas Chromatography Determination for Trifluralin Residues in Cottonseed.
Coded: 152****/EC**48/RPCTTN/AM/****/1-11

Determination of Trifluralin in Residues - General Procedure.
Coded: 152****/*****/ACROPS/AM/****/28-32

SEPTEMBER 18, 1963

Determination of Trifluralin in Residues - General Procedure.
Coded: 152****/*****/ACROPS/AM/****/28-32

Determination of Trifluralin Residues in Cotton Plant.
Coded: 152****/*****/ACROPS/AM/****/33

Determination of Trifluralin Residues in Cottonseed.
Coded: 152****/*****/ACROPS/AM/****/34

Gas Chromatography.
Coded: 152****/*****/ACROPS/AM/****/56-57

Gas Chromatography Determination for Trifluralin Residues in Cottonseed.
Coded: 152****/EC**48/RPCTTN/AM/****/1-4

(Residue in Cottonseed).
Coded: 152****/EC**48/RPCTTN/AM/****/12-17

Effect of Aging of Samples of R.A.C. on Trifluralin Analysis (Cotton).
Coded: 152****/EC**48/RPCTTN/AM/****/18

Trifluralin Content of Cotton Plants.
Coded: 152****/EC**48/RPCTTN/AM/****/21-26

Effect of Sulfuric Acid Delinting of Cottonseed on Trifluralin Assay.
Coded: 152****/EC**48/RPCTTN/AM/****/27-29

Cotton Seed Evaluation.
Coded: 152****/EC**48/RPCTTN/AM/****/211-225

Trifluralin Content of Cotton Lint.
Coded: 152****/EC**48/RPCTTN/AM/****/226-227

Trifluralin Residue in Cottonseed.
Coded: 152****/EC**48/RPCTTN/AM/****/228-237

September 18, 1963 (Continued)

Quantitative Application of Electron Affinity to Residue Analysis of Trifluralin.

Coded: 152****/*****/AACHAR/AM/****/56-64

Analysis of Trifluralin in Cottonseed Oil. .

Coded: 152****/*****/AACHAR/AM/****/65-68

Analytical Tests for Possible Metabolites II, III, V and VII.

Coded: 152****/*****/AACHAR/AM/****/75-86

Recovery of Possible Metabolites.

Coded: 152****/*****/AACHAR/AM/****/87-88

Recovery of Possible Metabolites.

Coded: 152****/*****/AACHAR/AM/****/89-90

Analytical Test for Possible Metabolite.

Coded: 152****/*****/AACHAR/AM/****/91

Analytical Test for Possible Metabolite VI.

Coded: 152****/*****/AACHAR/AM/****/92-93

Trifluralin Content of Soil.

Coded: 152****/*****/AACHAR/AM/****/94-95

Effect of Pesticides on Trifluralin Assay.

Coded: 152****/*****/AACHAR/AM/****/100-101

Recovery of Trifluralin From R.A.C.

Coded: 152****/*****/AACHAR/AM/****/102-104

Determination of Trifluralin in Soil.

Coded: 152****/*****/ASOILS/AM/****/1

(Trifluralin Persistence in Soil).

Coded: 152****/EC**48/ESDEGR/AM/****/6-17

Radiochemical Experiments.

Coded: 152****/*****/CLPREP/AM/****/1

Treatment of Cotton Plants with C¹⁴-propyl-Labelled Trifluralin.

Coded: 152****/*****/FMPLNT/AM/****/12-14

Radioactive CO₂ From Cotton Plants.

Coded: 152****/*****/FMPLNT/AM/****/15-17

Possible Trifluralin Metabolites.

Coded: 152****/*****/FMPLNT/AM/****/18-19

SEPTEMBER 18, 1963 (Continued)

Carbon-14 Trifluralin Residue Determinations in Cotton Plants.

Coded: 152****/*****/FMPLNT/AM/****/73-78

Examination of the Distribution of Radioactivity in Dried Soil Samples
From A Trifluralin (C¹⁴) Cotton Experiment..

Coded: 152****/*****/ESRESI/AM/****/1-4

(Radioactivity Levels in Soil).

Coded: 152****/*****/ESRESI/AM/****/5-6

Acid Hydrolysis Prior to Analysis for Possible Metabolites.

Coded: 152****/*****/AMETAB/AM/****/1-4

Determination of Possible Trifluralin Metabolites.

Coded: 152****/*****/AMETAB/AM/****/5-11

Determination of Possible Metabolite VI and Steam Distilled
Diazotizable Aromatic Amines.

Coded: 152****/*****/AMETAB/AM/****/12-15

Determination of Possible Trifluralin Metabolite.

Coded: 152****/*****/AMETAB/AM/****/16-20

Determination of Possible Metabolites of Trifluralin in Cotton Plants

Coded: 152****/EC**48/FMPLNT/AM/****/1-16

Determination of Possible Metabolites of Trifluralin in Cotton Plants

Coded: 152****/EC**48/FMPLNT/AM/****/17-25

Possible Metabolites of Trifluralin in Cottonseed

Coded: 152****/EC**48/FMPLNT/AM/****/26-36

Possible Metabolites of Trifluralin in Cottonseed.

Coded: 152****/EC**48/FMPLNT/AM/****/37-47

Possible Metabolites of Trifluralin in Cottonseed.

Coded: 152****/EC**48/FMPLNT/AM/****/48-57

Determination of Possible Metabolites of Trifluralin in Cotton Plants.

Coded: 152****/EC**48/FMPLNT/AM/****/58-61

(Metabolite VI in Soil.)

Coded: 152****/EC**48/ESMETB/AM/****/11-16

SEPTEMBER 18, 1963 (Continued)

Determination of Possible Metabolites of Trifluralin in Soil (Texas Soil).

Coded: 152****/EC**48/ESMETB/AM/****/19-23

(Possible Metabolites IV in Soil.)

Coded: 152****/EC**48/ESMETB/AM/****/24-26

General Summary.

Coded: 152****/*****/ZGSUMM/AM/****/1-10

Trifluralin Process.

Coded: 152****/*****/CMNFCT/AM/****/1

Trifluralin - Semit-Quantitative Analysis of Impurities.

Coded: 152****/*****/CIMPUR/AM/****/1-2

Gas Chromatography.

Coded: 152****/*****/ACROPS/AM/****/56-57

Quantitative Application of Electron Affinity to Residue Analysis of Trifluralin.

Coded: 152****/*****/AACHAR/AM/****/56-64

Evaluation of Cotton Fiber.

Coded: 152****/EC**48/YCOTTN/AM/****/710-714

Gas Chromatography Determination for Trifluralin Residues in Cottonseed.

Coded: 152****/EC**48/RPCTTN/AM/****/1-11

Determination of Trifluralin in Residues - General Procedure.

Coded: 152****/*****/ACROPS/AM/****/28-32

Determination of Trifluralin Residues in Cottonseed.

Coded: 152****/*****/ACROPS/AM/****/34

Recovery of Trifluralin From R.A.C.

Coded: 152****/*****/AACHAR/AM/****/102-104

Evaluation of Cotton Fiber.

Coded: 152****/EC**48/YCOTTN/AM/****/710-714

(Residue in Cottonseed).

Coded: 152****/EC**48/RPCTTN/AM/****/12-17

Effect of Sulfuric Acid Delinting of Cottonseed on Trifluralin Assay.

Coded: 152****/EC**48/RPCTTN/AM/****/27-29

Cotton Seed Evaluation.

Coded: 152****/EC**48/RPCTTN/AM/****/211-225

SEPTEMBER 18, 1963 (Continued)

Trifluralin Content of Cotton Lint.

Coded: 152****/EC**48/RPCTTN/AM/****/226-227

Trifluralin Residue in Cottonseed.

Coded: 152****/EC**48/RPCTTN/AM/****/228-237

SEPTEMBER 25, 1963

(Acute, Inhalation and Subacute Toxicity - Rat).

Coded: 152****/EC**48/TACUTE/AM/A5075/1-3

OCTOBER 8, 1963

Trifluralin For the Preemergence Control of Weeds in Cotton. (Field Trials)

Coded: 152****/EC**48/YCOTTN/AM/****/291-322

FEBRUARY 14, 1964

Trifluralin For the Preemergence Control of Weeds. (Field Trials)

Coded: 152****/EC**48/YORNAM/AM/****/1-274

Trifluralin For the Preemergence Control of Weeds in Cotton. Additional Studies.

Coded: 152****/EC**48/YCOTTN/AM/****/323-333

Toxicology - Interim Report.

Coded: 152****/*****/TCINTR/AM/****/1-5

MARCH 31, 1964

The Toxicology of Trifluralin, Progress Report.

Coded: 152****/*****/TZSUMM/AM/****/24-109

ARRIL 16, 1964

Determination of Trifluralin in Residues - General Procedure (Revised).

Coded: 152****/*****/ACROPS/AM/****/35-38

Determination of Trifluralin in Cottonseed.

Coded: 152****/*****/ACROPS/AM/****/55

(Treflan Applied to Cotton at Layby). (Residues)

Coded: 152****/EC**48/RPCTTN/AM/****/30-77

MAY 6, 1964

Procedure For the Analysis of Soybeans Treated with Carbon-14 Labelled Trifluralin.

Coded: 152****/*****/FMPLNT/AM/****/20-32

Procedure Used for the Analysis of Soybeans From Carbon-14 Study.

Coded: 152****/*****/FMPLNT/AM/****/33-39

Procedure for the Analysis of Soybeans Treated with Carbon-14 Labelled Trifluralin.

Coded: 152****/*****/FMPLNT/AM/****/40-44

Transmethylation by Boron Trichloride Catalysis.

Coded: 152****/*****/FMPLNT/AM/****/45-59

Soybean Carbon-14 Trifluralin: Thin Layer Chromatography Extract 2A (Procedure RC).

Coded: 152****/*****/FMPLNT/AM/****/60-72

General Summary - Removal of Seed Restriction for Soybeans.

Coded: 152****/EC**48/ZGSUMM/AM/****/1-5

Soybean Carbon-14-Trifluralin, Analytical Procedures - Radioactive Study.

Coded: 152****/*****/ACROPS/AM/****/25-27

Determination of Trifluralin in Residues - General Procedure (Revised).

Coded: 152****/*****/ACROPS/AM/****/35-38

Trifluralin Residue in Cotyledons.

Coded: 152****/EC**48/RPSOYA/AM/****/51-55

Determination of Trifluralin in Soybean Plants.

Coded: 152****/EC**48/RPSOYA/AM/****/56-59

Determination of Trifluralin in Soybean Hay.

Coded: 152****/EC**48/RPSOYA/AM/****/60-63

(Residue Data - Soybeans).

Coded: 152****/EC**48/RPSOYA/AM/****/64-76

(Soybean Quality Evaluation).

Coded: 152****/EC**48/RPSOYA/AM/****/77-114

Statistical Appraisal of Field Results - Trifluralin in Soybeans.

Coded: 152****/EC**48/RPSOYA/AM/****/156-170

MAY 6, 1964 (Continued)

Recovery of Trifluralin from Raw Agricultural Commodity and the Effect of Aging.

Coded: 152****/*****/AACHAR/AM/****/54-55

Analysis of Trifluralin in Soybean Oil.

Coded: 152****/*****/AACHAR/AM/****/69-70

Effect of Pesticides on Trifluralin Assay - Soybeans.

Coded: 152****/*****/AACHAR/AM/****/71-74

(Trifluralin Metabolites in Soybeans and Soybean Hay).

Coded: 152****/EC**FMPLNT/AM/****/62-83

Determination of Possible Metabolite VI and Steam Distillable Diazotizable Aromatic Amines in Soybeans and Soybean Hay.

Coded: 152****/EC**48/FMPLNT/AM/****/84-91

Determination of Possible Metabolite VI and Steam Distilled Diazotizable Aromatic Amines.

Coded: 152****/*****/AMETAB/AM/****/12-15

Determination of Possible Trifluralin Metabolites in Soybean Seed and Hay.

Coded: 152****/*****/AMETAB/AM/****/21-25

Determination of Possible Trifluralin Metabolite - Compound IV.

Coded: 152****/*****/AMETAB/AM/****/26-30

(Germination Study - Soybean).

Coded: 152****/EC**48/YSOYBN/AM/****/352-355

Carbon Dioxide Collection During Carbon-14 Trifluralin-Soybean Experiment.

Coded: 152****/*****/FMPLNT/AM/****/2-3

Carbon-14 Trifluralin Residue Determination in Soybean Plants and Seed.

Coded: 152****/*****/FMPLNT/AM/****/4-9

Soybean Carbon-14 Trifluralin; Summary of Metabolic Studies.

Coded: 152****/*****/FMPLNT/AM/****/10-11

Trifluralin Content of Soil Treated with Carbon-14 Trifluralin.

Coded: 152****/*****/ESRESI/AM/****/7-9

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MAY 7, 1964

(Data Sheets & Chromatograms).

Coded: 152****/EC**48/RPMULT/AM/****/1-21

MAY 19, 1964

Stability of Trifluralin in Cottonseed.

Coded: 152****/EC**48/RPCTTN/AM/****/78-91

(Cottonseed Analysis) Agric. Tox.

Coded: 152****/EC**48/RPCTTN/AM/****/238

JUNE 22, 1964

Treflan for the Preemergence Control of Weeds in Dry Beans and Southern Peas Grown for Seed. (Field Trials)

Coded: 152****/EC**48/YBDRYY/AM/****/1-18

(Field Trial Data for Multiple Crops)..

Coded: 152****/EC**48/YMULTI/AM/****/1-60

Herbicides for Broadleaf Weed Control in Dry Beans Grown in Silt Loam. (Field Trials)

Coded: 152****/EC**40/YBDRYY/CA/****/5-19

AUGUST 6, 1964

Field Trial Data.

Coded: 152****/EC**48/YCOTTN/AM/****/715-717

DECEMBER 24, 1964

Residue Data on Trifluralin Safflower, Okra and Transplant Tomatoes and Peppers.

Coded: 152****/EC**48/RPMULT/AM/****/31

(Residue Data for Trifluralin in Safflower Seed.)

Coded: 152****/EC**48/RPSAFL/AM/****/1-64

DECEMBER 24, 1964 (Continued)

Determination of Trifluralin Residues in Safflower.

Coded: 152****/*****/ACROPS/AM/****/53

Determination of Trifluralin Residues in Agronomic Crops - General Procedure.

Coded: 152****/*****/ACROPS/AM/****/19-21

Residue Data on Trifluralin in Okra.

Coded: 152****/EC**48/RPOKRA/AM/****/1-38

Determination of Trifluralin Residues in Agronomic Crops - General Procedure.

Coded: 152****/*****/ACROPS/AM/****/19-21

Determination of Trifluralin Residues in Agronomic Crops when the Pesticides BHC, Ethion and/or Zineb are Present in the Crop Sample.

Coded: 152*C**/EC**48/ACROPS/AM/****/3-4

Residue Data on Trifluralin in Tomatoes and Green Peppers.

Coded: 152****/EC**48/RPTMTO/AM/****/1-93

Determination of Trifluralin Residues in Agronomic Crops - General Procedure.

Coded: 152****/*****/ACROPS/AM/****/19-21

Determination of Trifluralin Residues in Agronomic Crops When the Pesticides BHC, Ethion and/or Zineb are Present in the Crop Sample.

Coded: 152*C**/EC**48/ACROPS/AM/****/3-4

Treflan for Preemergence Weed Control in Safflower, Okra and Transplant Tomatoes and Peppers.

Coded: 152****/EC**48/YMULTI/AM/****/334-570

Treflan E.C. for Green Beans, Lima Beans, Dry Beans, Southern Peas, Broccoli, Brussel Sprouts, Cabbage and Cauliflower. (Residue Data)

Coded: 152****/EC**48/RPMULT/AM/****/32-412

(Residues of Trifluralin in Beans).

Coded: 152****/EC**48/RPBEAN/AM/****/50-102

Residue Data on Trifluralin in Dry Beans.

Coded: 152****/EC**48/RPBEAN/AM/****/309-372

Determination of Trifluralin Residues in Agronomic Crops - General Procedure.

Coded: 152****/*****/ACROPS/AM/****/19-21

DECEMBER 24, 1964 (Continued)

Determination of Trifluralin Residues in Agronomic Crops when the Pesticides BHC, Ethion and/or Zineb are Present in the Crop Sample.

Coded: 152*C**/EC**48/ACROPS/AM/****/3-4

(Residues on Trifluralin in Cole Crops.)

Coded: 152****/EC**48/RPBRAS/AM/****/1-44

Residue Data on Trifluralin in Green Beans, Lima Beans, Dry Beans, Southern Peas, Broccoli, Brussel Sprouts, Cabbage, and Cauliflower.

Coded: 152****/EC**48/RPMULT/AM/****/22-30

Determination of Trifluralin Residues in Agronomic Crops - General Procedure.

Coded: 152****/*****/ACROPS/AM/****/19-21

Determination of Trifluralin Residues in Agronomic Crops when the Pesticides BHC, Ethion and/or Zineb are Present in the Crop Sample.

Coded: 152*C**/EC**48/ACROPS/AM/****/3-4

Determination of the Sensitivity of the Gas Chromatographic Assay for Residues of Trifluralin in Plant Tissues.

Coded: 152****/*****/AACHAR/AM/****/1-53

(Residues of Trifluralin in Beans).

Coded: 152****/EC**48/RPBEAN/AM/****/50-83

Treflan E.C. for The Pre-Emergence

Control of Weeds in Snapbeans, Lima Beans, Dry Beans, Southern Peas, Broccoli, Brussel Sprouts, Cabbage and Cauliflower. (Field Trials).

Coded: 152****/EC**48/YMULTI/AM/****/61-300

REDACTED

